

Amendments to the Claims

1. (Original) A subscriber wireless access system which has subscriber station devices wirelessly connected to base station apparatus, communication terminal devices being accommodated in the subscriber station devices, wherein

pieces of information for discriminating the subscriber station devices from each other are added to the subscriber station devices, pieces of group discrimination information representing the same group are added to a plurality of subscriber station devices wirelessly connected to the same base station apparatus to group the subscriber station devices, and

the base station apparatus holds corresponding information between pieces of individual discrimination information of the subscriber station devices and the pieces of group discrimination information, and, when the base station apparatus receives broadcast data from a subscriber station device, the base station apparatus designates a subscriber station device belonging to the same group as that of a subscriber station device of a transmission source as a destination to wirelessly transmit the broadcast data to the subscriber station device.

2. (Original) A subscriber wireless access system according to claim 1, wherein

the base station apparatus holds corresponding information between pieces of individual discrimination information of the subscriber station devices and the pieces of group discrimination information such that the corresponding information can be updated, and the group configuration of the subscriber station devices can be changed.

3. (Original) A subscriber wireless access system according to claim 2, comprising

a network management device connected to a base station apparatus through a communication network, and wherein the corresponding information between the pieces of individual discrimination information of the subscriber station devices held by the base station apparatus and the pieces of group discrimination information can be updated by the network management device.

4. (Original) A subscriber wireless access system according to claim 1, wherein
information according to a destination group of broadcast data is added to a subscriber station
device as a tag set for a communication frame conforming to IEEE.

5. (Original) A subscriber wireless access system according to claim 2, wherein
information according to a destination group of broadcast data is added to a subscriber
station device as a tag set for a communication frame conforming to IEEE.

6. (Original) A subscriber wireless access system according to claim 3, wherein
information according to a destination group of broadcast data is added to a subscriber
station device as a tag set for a communication frame conforming to IEEE.

7. (Original) A subscriber wireless access system which has a base station apparatus
connected to a communication network through a router and subscriber station devices wirelessly
connected to the base station apparatus, communication terminal devices being accommodated in
the subscriber station devices, wherein

the router is connected to the base station apparatus by a plurality of logical channels and
holds corresponding information between IP addresses of data communicated on the communication
network and the logical channels,

the base station apparatus holds corresponding information between the logical channels and
pieces of information for discriminating the subscriber station devices from each other and
corresponding information between pieces of group discrimination information of a plurality of
subscriber station devices wirelessly connected to the base station apparatus and pieces of individual
discrimination information of the subscriber station devices and sets destination information of data
transmitted to a subscriber station device with reference to the pieces of corresponding information.

8. (Original) A subscriber wireless access method for grouping subscriber station devices and transmitting broadcast data to only a predetermined group, wherein

a base station apparatus designates a destination of the received broadcast data as a group with reference to group discrimination information representing that a plurality of subscriber station devices belong to the same group to wirelessly transmit the broadcast data to the subscriber station device, and

the subscriber station device which wirelessly receives the broadcast data outputs the broadcast data to a communication terminal device controlled under the subscriber station device only when the subscriber station device belongs to the group the destination of which is designated.

9. (Original) A subscriber wireless access method which changes a configuration of a group constituted by subscriber station devices wirelessly connected to the same base station apparatus,

wherein corresponding information between pieces of group discrimination information of the subscriber station devices held in the base station apparatus and pieces of individual discrimination information of the subscriber station devices is updated.

10. (New) A subscriber wireless access system comprising:

a base station apparatus;

a first subscriber group wirelessly connected to said base station apparatus, said first subscriber group comprising a first plurality of subscriber station devices and a first plurality of communication terminal devices accommodated in said first plurality of subscriber station devices, respectively, said first plurality of subscriber station devices including a first subscriber station device and a first communication terminal device accommodated in said first subscriber station device;

a second subscriber group wirelessly connected to said base station apparatus, said second subscriber group comprising a second plurality of subscriber station devices and a second plurality

of communication terminal devices accommodated in said second plurality of subscriber station devices, respectively, said second plurality of subscriber station devices including a second subscriber station device and a second communication terminal device accommodated in said second subscriber station device,

wherein each of said first plurality of subscriber station devices and said second plurality of subscriber station devices is operable to store therein, individual discrimination information for discriminating each of said first plurality of subscriber station devices and said second plurality of subscriber station devices from one another,

wherein said base station is operable to store therein, first group discrimination information associating each of said first plurality of subscriber station devices with said first subscriber group and second group discrimination information associating each of said second plurality of subscriber station devices with said second subscriber group,

wherein each of said first plurality of subscriber station devices is operable to send to the other of said first plurality of subscriber station devices, via said base station device, first broadcast data,

wherein each of said second plurality of subscriber station devices is operable to send to the other of said second plurality of subscriber station devices, via said base station device, second broadcast data,

wherein said base station apparatus is operable to hold correspondence information related to a correspondence between individual discrimination information of each of said first plurality of subscriber station devices and the first group discrimination information and between individual discrimination information of each of said second plurality of subscriber station devices and the second group discrimination information,

wherein when said base station apparatus receives the first broadcast data from one of said first plurality of subscriber station devices, said base station apparatus wirelessly transmits the first broadcast data to the other of said first plurality of subscriber station devices, and

wherein when said base station apparatus receives the second broadcast data from one of said second plurality of subscriber station devices, said base station apparatus wirelessly transmits the second broadcast data to the other of said second plurality of subscriber station devices.

11. (New) The subscriber wireless access system of claim 10, wherein said base station is operable to change the correspondence information, the first group discrimination information and the second group discrimination information.

12. (New) The subscriber wireless access system of claim 11, further comprising:
a network management device connected to said base station device through a communication network,

wherein said management device is operable to change the correspondence information, the first group discrimination information and the second group discrimination information.

13. (New) The subscriber wireless access system of claim 12, wherein the destination information includes a tag set for a communication frame conforming to IEEE.

14. (New) The subscriber wireless access system of claim 11, wherein the destination information includes a tag set for a communication frame conforming to IEEE.

15. (New) The subscriber wireless access system of claim 10, wherein the destination information includes a tag set for a communication frame conforming to IEEE.

16. (New) A subscriber wireless access system comprising:

a router;

a base station apparatus connected to a communication network through said router;

a plurality of subscriber station devices, each of said plurality of subscriber station devices being wirelessly connected to said base station apparatus; and

a plurality of communication terminal devices accommodated in said plurality of subscriber station devices, respectively,

wherein said router is connected to said base station apparatus by a plurality of logical channels and is operable to hold first correspondence information related to a correspondence between IP addresses of data communicated on the communication network and said plurality of logical channels,

wherein said base station apparatus is operable to hold second correspondence information related to a correspondence between said plurality of logical channels and discrimination information for discriminating a number of said plurality of subscriber station devices, and to hold third correspondence information related to a correspondence between said plurality of subscriber station devices and individual discrimination information for discrimination said plurality of subscriber station devices from one another, and

wherein said base station apparatus is operable to set the destination information to a subscriber station with reference to said third correspondence information.

17. (New) A subscriber wireless access method for use with a subscriber wireless access system including base station apparatus, a plurality of subscriber station devices having a plurality of communication terminal devices accommodated therein, the plurality of subscriber station devices being wireless connected to the base station apparatus and for grouping a number of the plurality of subscriber station devices and transmitting broadcast data to only a predetermined group, said subscriber wireless access method comprising:

designating from discrimination information, via the base station apparatus, a destination group of subscriber station devices of the plurality of subscriber station devices to wirelessly receive broadcast data;

transmitting the broadcast data to the destination group of subscriber station devices; and
outputting the broadcast data to a communication terminal device of a subscriber station
device only if the subscriber station device is one of the destination group of subscriber station
devices.